

# ***DBS Aviation Data Channel Concept***

***Advanced Technology Center  
Internet ATD Demonstration***

**Company Proprietary**

**Rockwell**



## Demonstrated Operational

Interactive Internet Data, and/ or Dedicated Custom  
High-Speed Data 19.2 - 56 kbps NOW, Commercial  
broadcast speeds from 1 to 27.5 Mbps coming soon

### True

Interactive Internet  
(requires back-channel)

PC Laptop  
Browsing the Web  
using Standard  
MS Internet Explorer

- Microsoft
- Yahoo!
- @MarketWatch

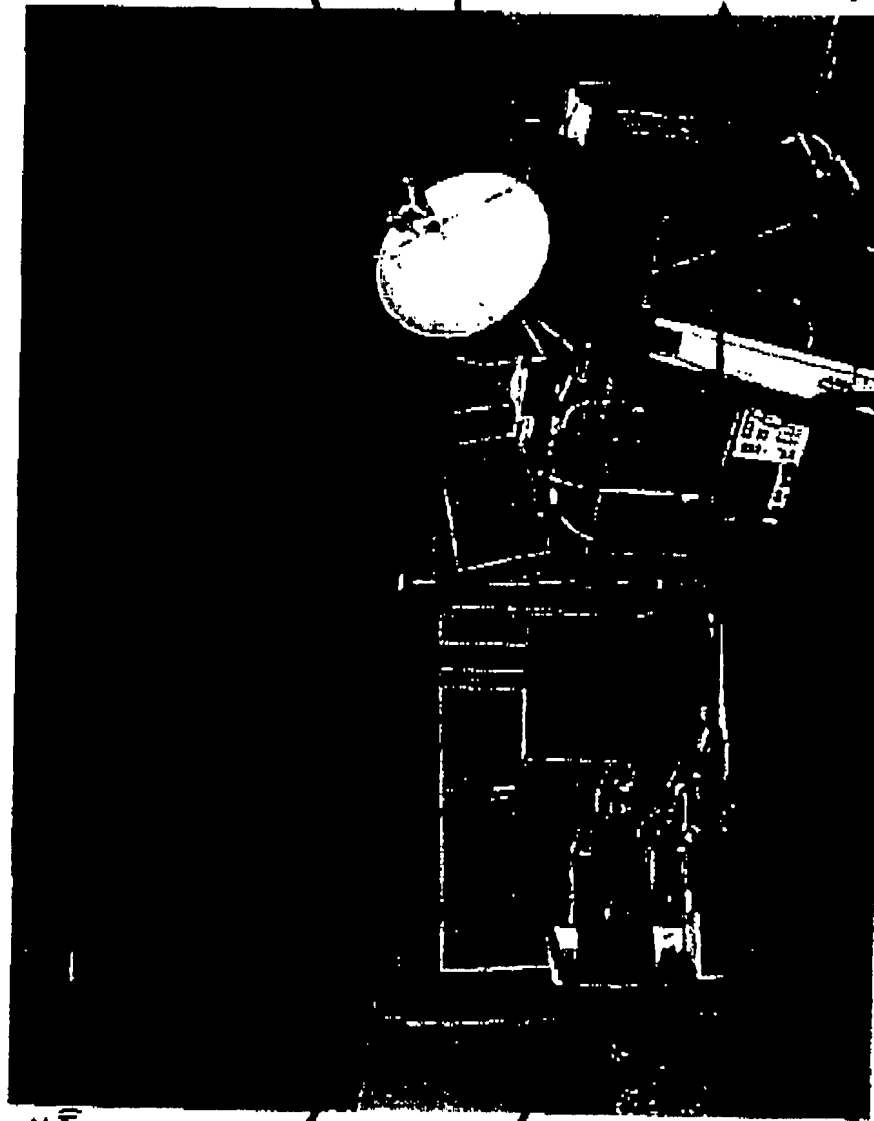
### Dedicated High-Speed Data

(no back-channel req.)  
PC Laptop or server  
capturing dedicated  
data.

- "Aviation Express"
- WSI-Litton Weather  
Radar maps
- Stocks
- Sports
- Comtex Press  
Releases

### Ruggedized COTS

entitled receiver  
decoder unit  
with data interface



Channel 552 delivers our custom Internet capability / data via High-Speed  
data Network ( ) - client  
PC and up-link communications software developed by

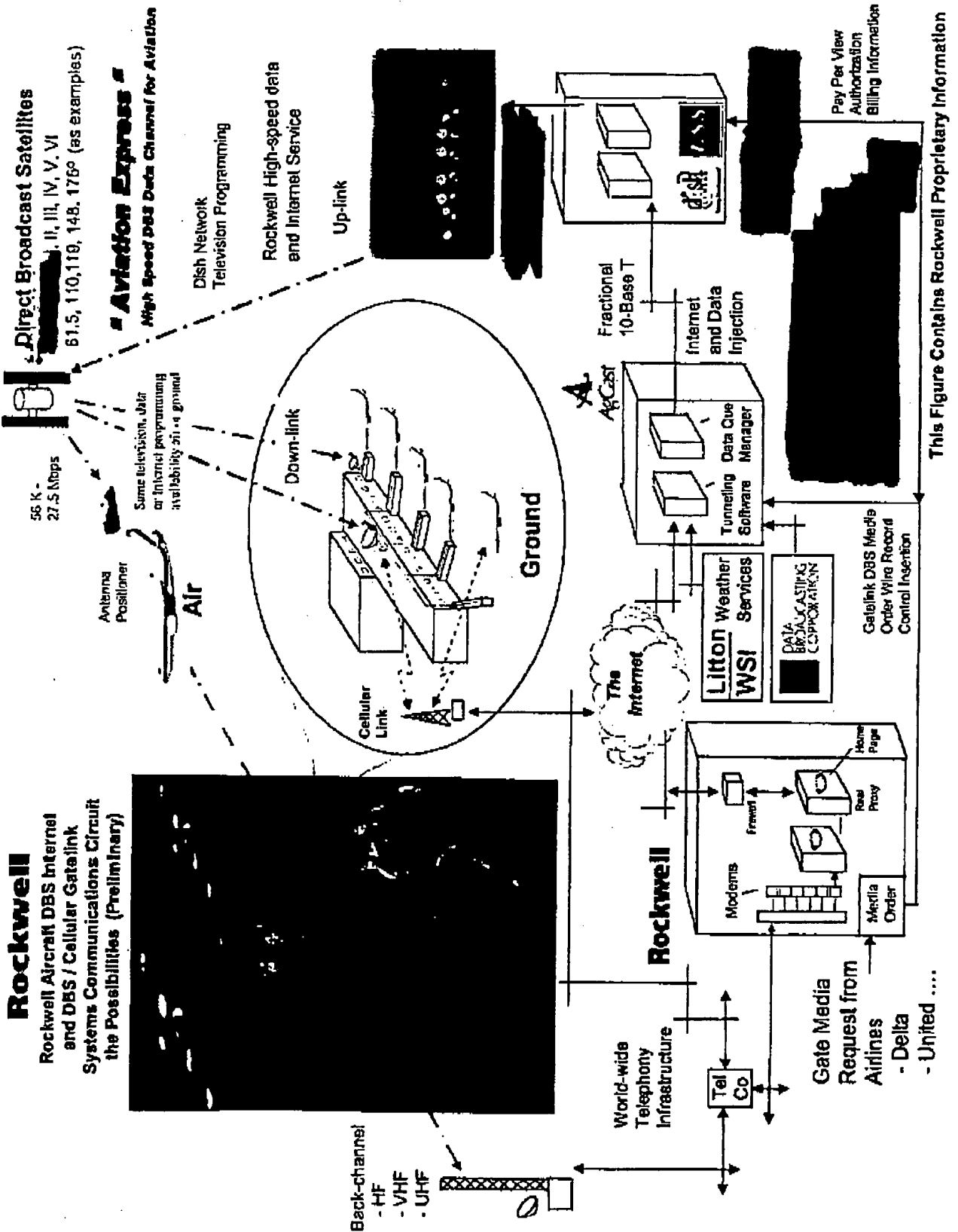
Low Noise  
Amplifiers

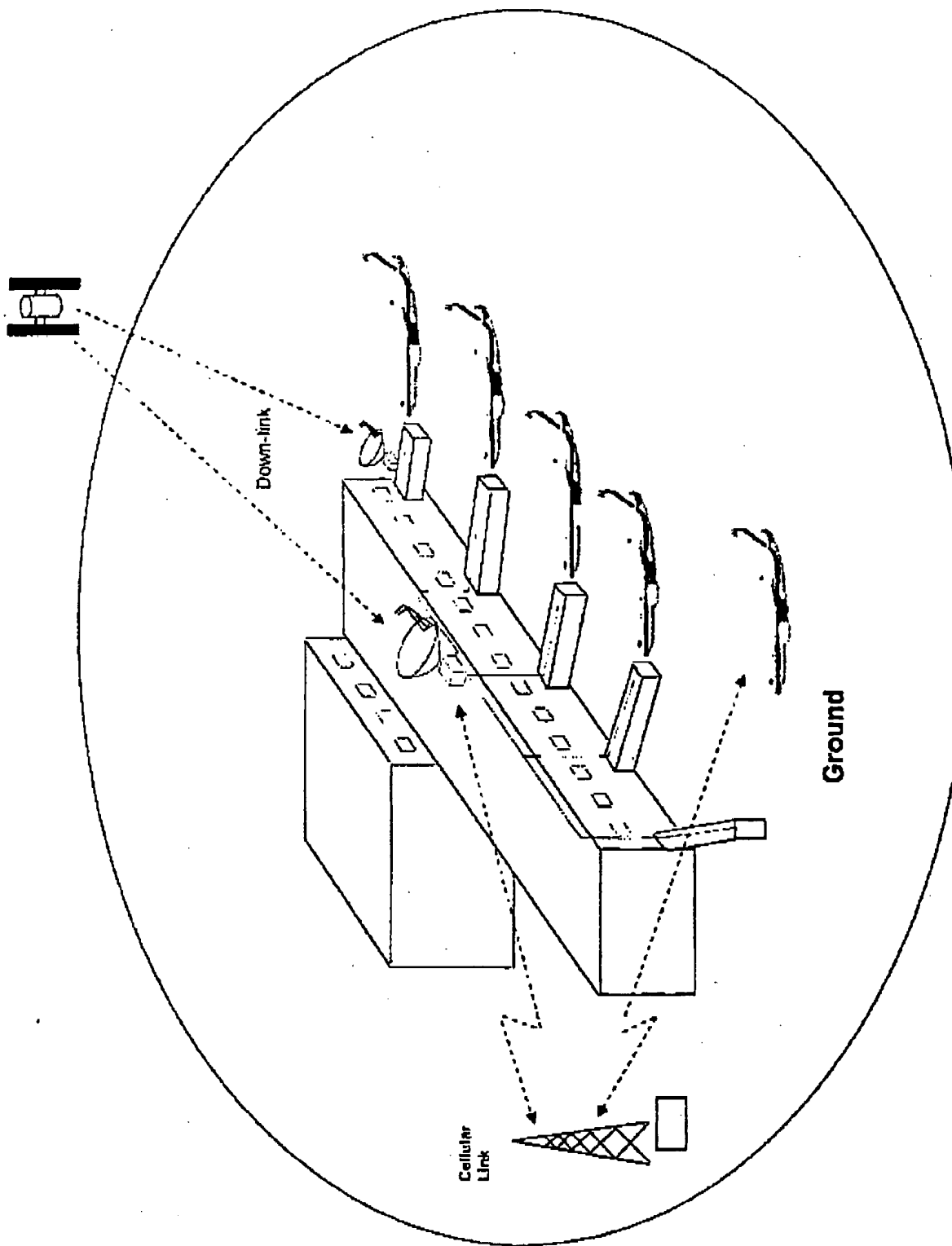
11.6"  
Multi-regional  
dish antenna  
pointed at  
commercial  
Ku-band satellite

Card fits into  
Passenger Systems  
7-channel MRDU

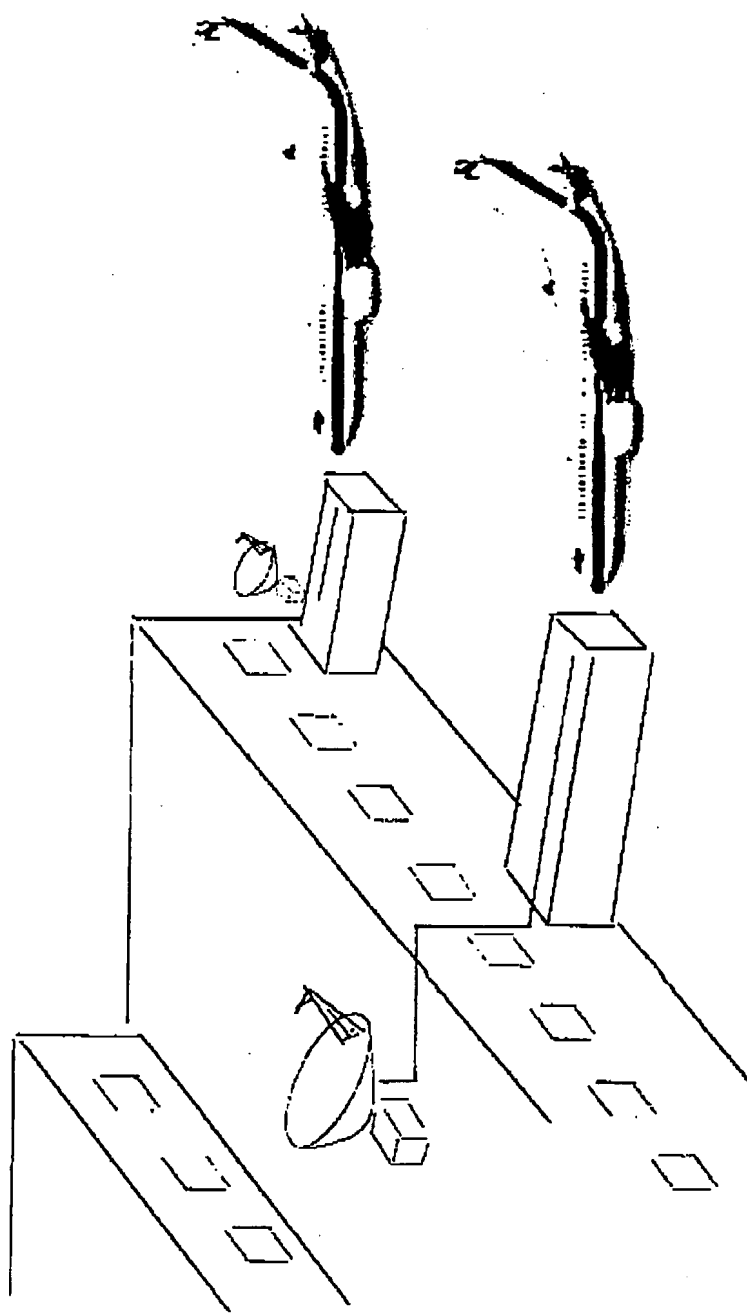
This Figure Contains Rockwell Proprietary Information



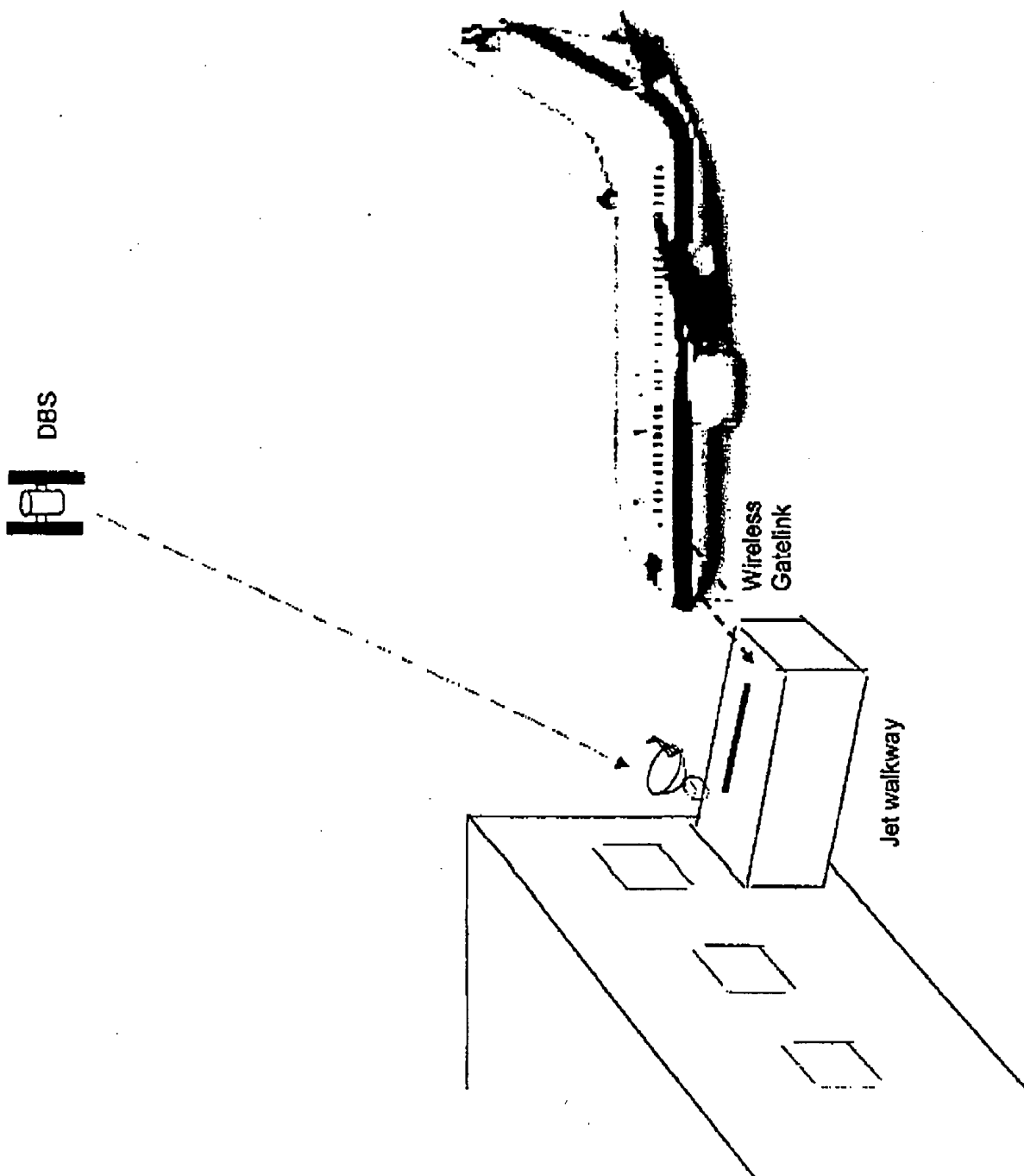




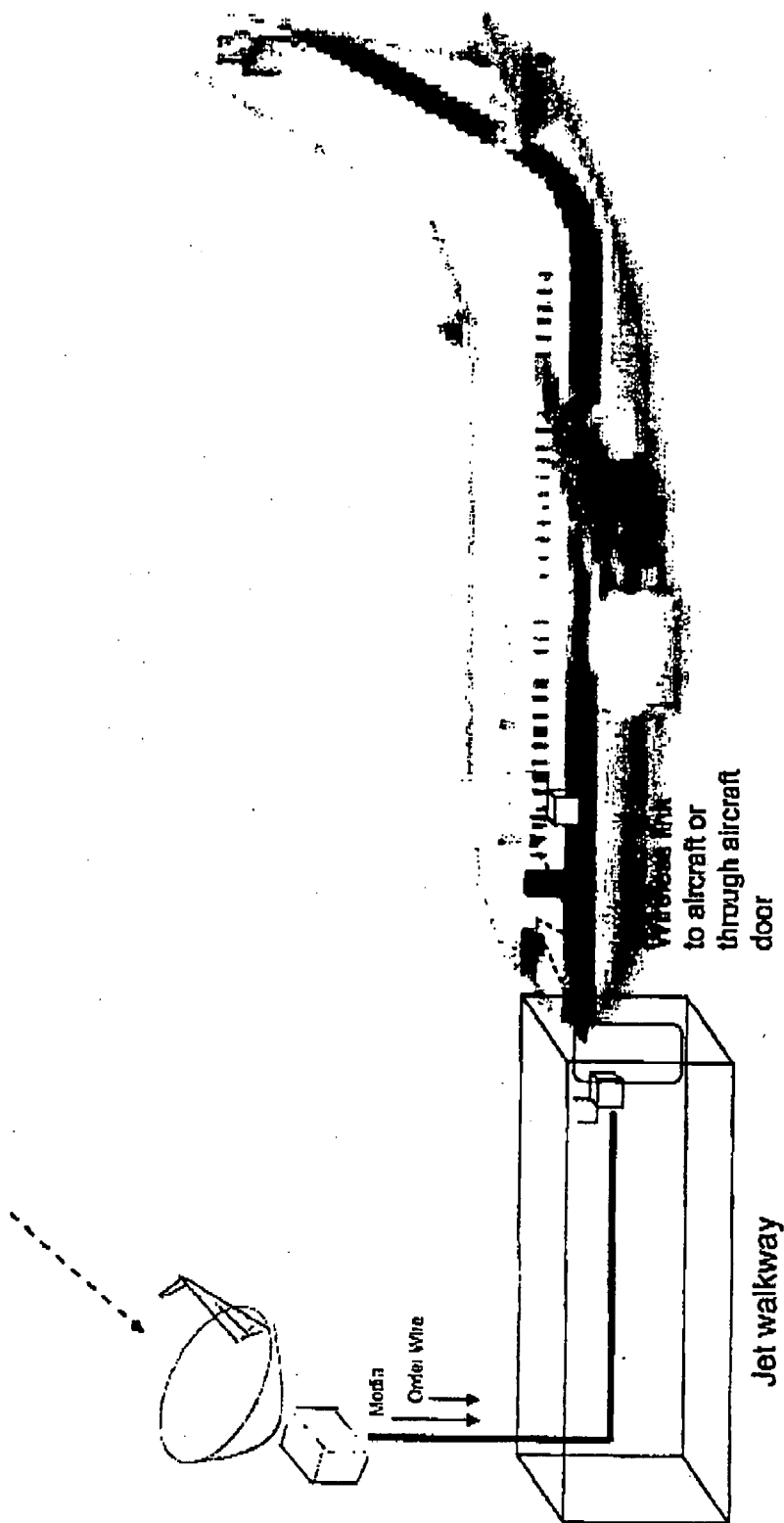
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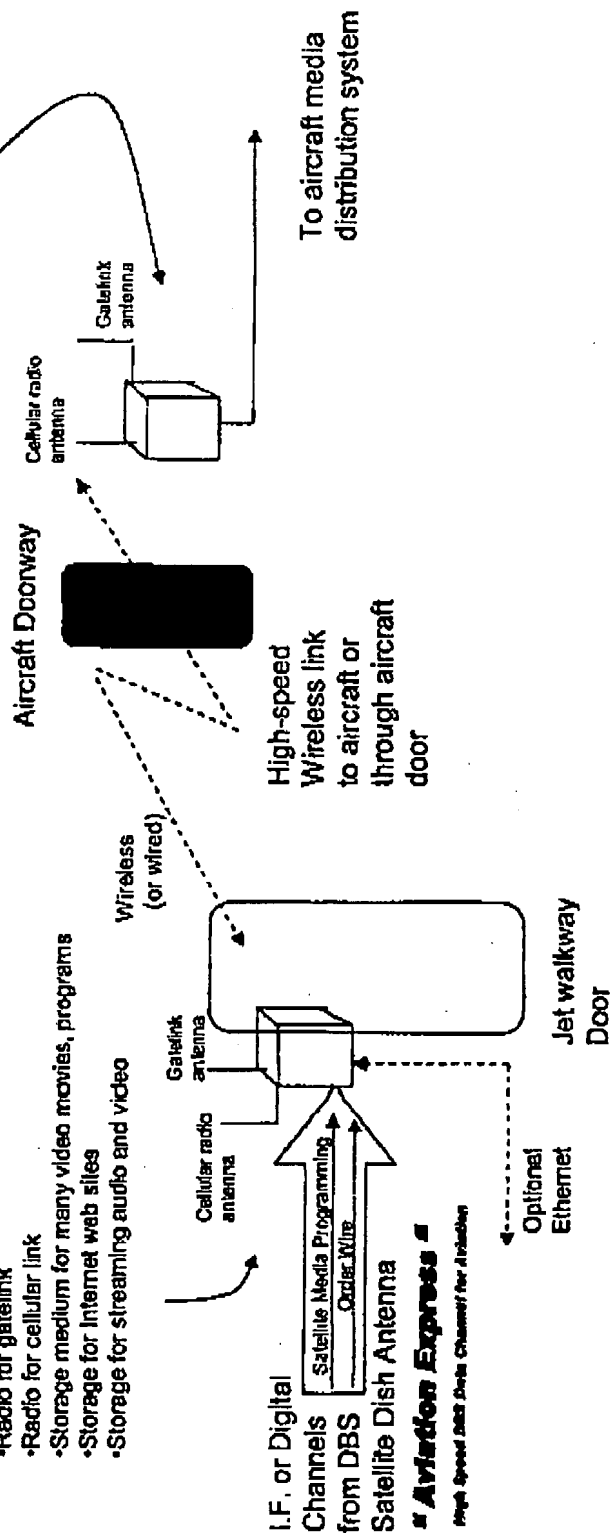


## Aircraft Gatelink Media File Server may include:

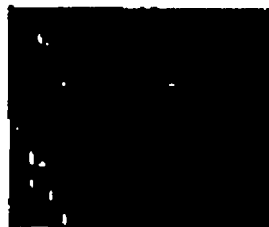
- Radio for gatelink
- Radio for cellular link
- Storage medium for movies from gatelink
- Storage medium for internet web sites
- Storage for audio and video

## Gatelink Media File Server may include:

- Radio for gatelink
- Radio for cellular link
- Storage medium for many video movies, programs
- Storage for internet web sites
- Storage for streaming audio and video

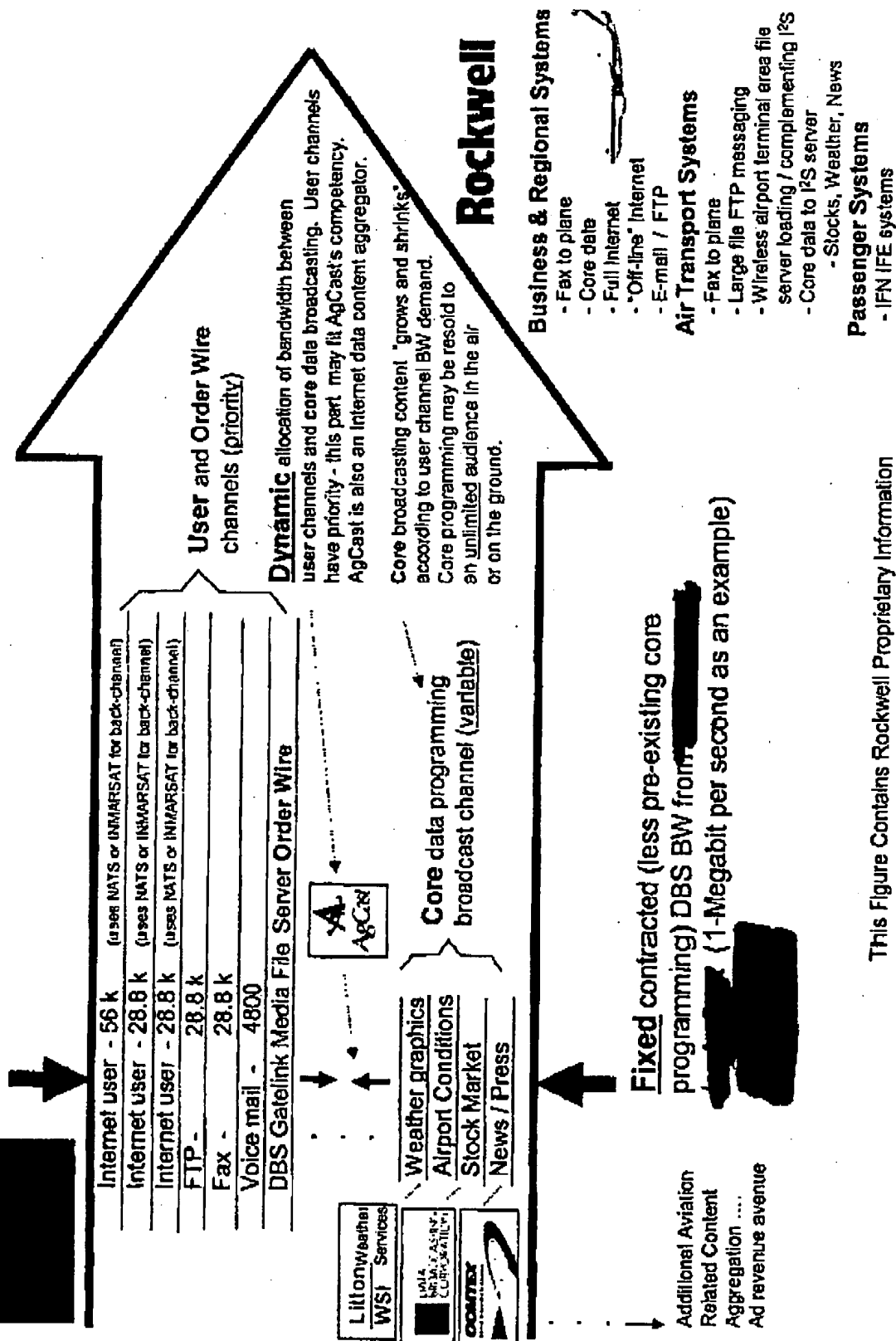


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# "Aviation Express"

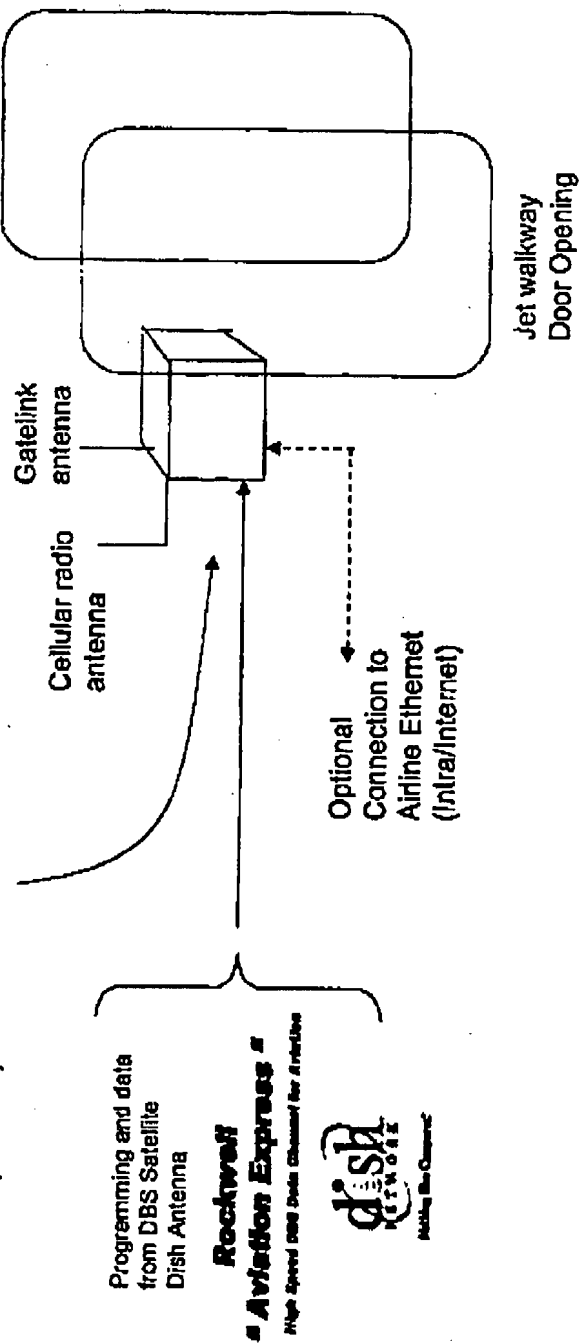
## High Speed DBS Data Channel for Aviation



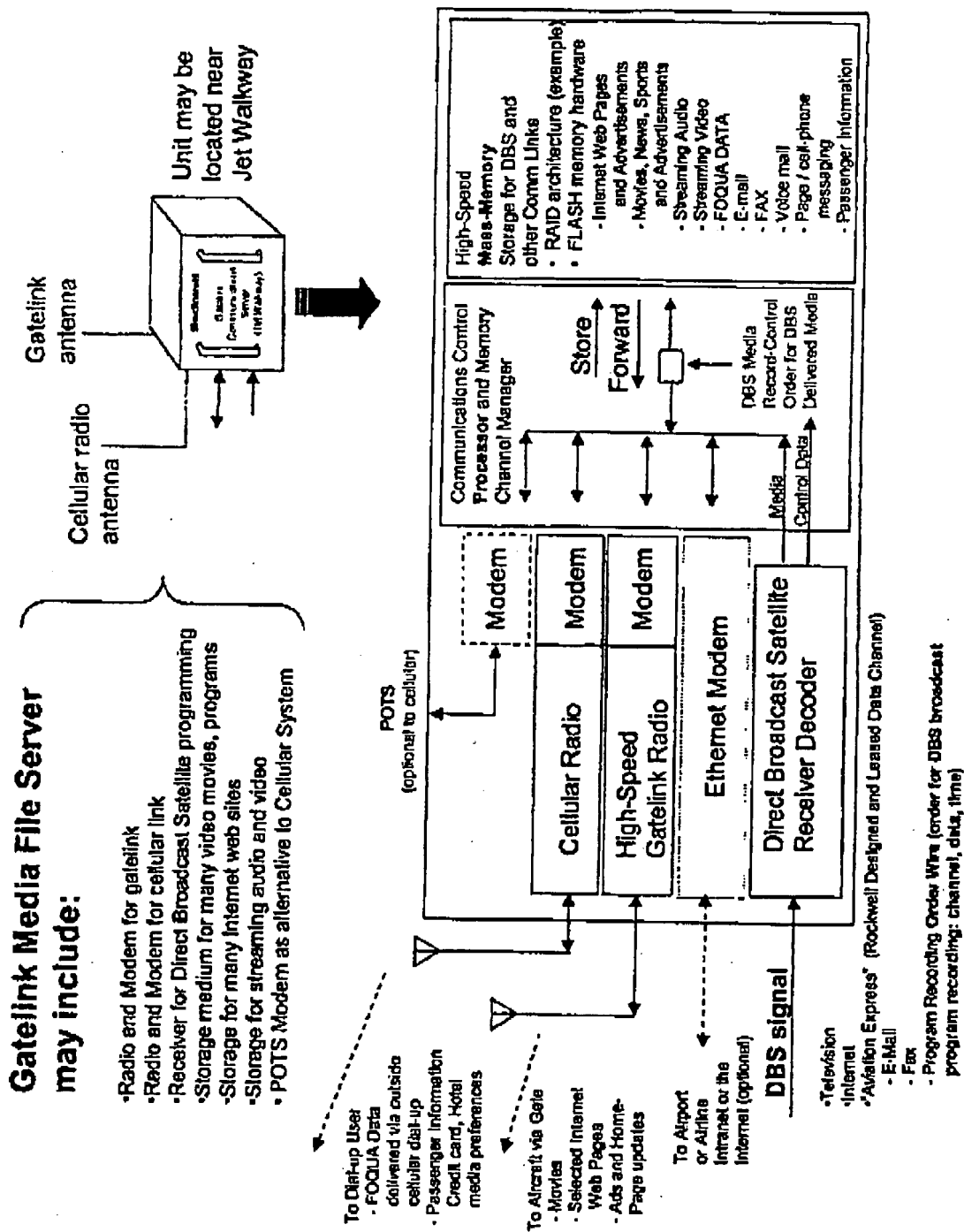
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### Gatelink Media File Server may include:

- Radio for gatelink
- Radio for cellular link
- Modem connection to Ethernet (optional)
- Storage medium for many video movies, programs
- Storage for Internet web sites
- Storage for streaming audio and video
- Unit may be located within jet-walkway or in airport terminal
- Antenna for high-speed wireless gatelink ideally located at jet walkway door



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